

WHAT IS CLAIMED IS:

1 1. A method for creating a composite electronic representation, the
2 method comprising:
3 receiving an electronic representation of a document;
4 extracting a feature from the electronic representation of the document;
5 comparing the feature to the recorded information to determine information in
6 the recorded information that matches the feature;
7 determining information to insert based on the information in the recorded
8 information that matches the feature and the received electronic representation of a
9 document; and
10 creating a composite electronic representation comprising the determined
11 information.

1 2. The method of claim 1, further comprising determining association
2 information for the recorded information that matches the feature.

1 3. The method of claim 2, wherein the association information comprises
2 time information and source information for recorded information.

1 4. The method of claim 2, further comprising associating the association
2 information with the determined information in the composite electronic representation.

1 5. The method of claim 4, further comprising:
2 receiving a selection of the determined information in the composite electronic
3 representation; and
4 using the association information for the determined information to access
5 recorded information.

1 6. The method of claim 1, further comprising accessing recorded
2 information using the determined information.

1 7. The method of claim 6, further comprising displaying the accessed
2 recorded information.

1 8. The method of claim 7, further comprising playing the accessed
2 information.

1 9. The method of claim 1, further comprising:
2 performing at least one of emailing, printing, storing, and copying the created
3 composite electronic document.

1 10. The method of claim 1, further comprising:
2 determining metadata using the recorded information that matches the one or
3 more features, wherein the composite electronic representation includes the metadata.

1 11. The method of claim 1, wherein the received electronic representation
2 of the paper document includes notes taken by a user, wherein the created composite
3 electronic representation includes the notes taken by the user.

1 12. The method of claim 1, wherein extracting one or more features from
2 the electronic representation comprising:
3 determining the feature in one or more features in the image; and
4 extracting the feature.

1 13. The method of claim 1, further comprising determining a document
2 that includes the recorded information using the extracted one or more features.

1 14. The method of claim 13, further comprising determining a portion of
2 the document that includes the information that matches the one or more features.

1 15. The method of claim 1, wherein the feature comprises an identifier to a
2 location in the recorded information, wherein the information in the recorded information that
3 matches the feature is determined using the identifier.

1 16. The method of claim 15, wherein the identifier comprises at least one
2 of a barcode and signature information.

1 17. The method of claim 1, wherein receiving the electronic representation
2 comprising receiving a scan of the paper document.

1 18. The method of claim 1, wherein receiving the electronic representation
2 comprises determining an electronic image of the paper document.

1 19. The method of claim 1, wherein receiving the electronic representation
2 comprises receiving the electronic representation in response to an input from a user
3 indicating that the composite electronic representation should be created.

1 20. The method of claim 1, wherein the document comprises a paper
2 document.

1 21. A method for creating a composite electronic representation of a
2 document using information recorded during a presentation, the method comprising:
3 receiving an electronic representation of a document for the presentation, the
4 electronic representation including a feature that was presented during the presentation;
5 extracting the feature from the electronic representation;
6 comparing the feature to the information recorded during the presentation to
7 determine information in the recorded information that matches the one or more features; and
8 determining information to insert based on the information in the recorded
9 information that matches the feature and the received electronic representation of a
10 document; and
11 creating a composite electronic representation comprising the determined
12 information.

1 22. The method of claim 21, further comprising determining association
2 information for the recorded information that matches the one or more features.

1 23. The method of claim 22, wherein the association information
2 comprises time information for recorded information, the time information indicating a time
3 when information related to the one or more features was presented during the presentation.

1 24. The method of claim 23, further comprising:
2 receiving a selection of the inserted information; and
3 using the association information for the determined information in the
4 composite electronic representation to access recorded information for the presentation at a
5 time indicated by the time information.

1 25. The method of claim 21, further comprising accessing recorded
2 information using the determined information.

1 26. The method of claim 25, further comprising displaying the accessed
2 recorded information.

1 27. The method of claim 26, further comprising playing the accessed
2 information.

1 28. The method of claim 21, further comprising:
2 determining metadata using the recorded information that matches the feature,
3 wherein the composite electronic representation includes the metadata.

1 29. The method of claim 21, further comprising performing at least one of
2 emailing, printing, storing, and copying the created image.

1 30. The method of claim 21, wherein the document comprises a paper
2 document.

1 31. The method of claim 21, wherein the feature comprises an identifier to
2 a location in the recorded information, wherein the information in the recorded information
3 that matches the feature is determined using the identifier.

1 32. The method of claim 31, wherein the identifier comprises at least one
2 of a barcode and signature information.

1 33. The method of claim 21, wherein receiving the electronic
2 representation comprises receiving the electronic representation in response to an input from
3 a user indicating that the composite electronic representation should be created.

1 34. A computer program product stored on a computer-readable medium
2 for creating a composite electronic representation, the computer program product comprising:
3 code for receiving an electronic representation of a document;
4 code for extracting a feature from the electronic representation of the
5 document;
6 code for comparing the feature to the recorded information to determine
7 information in the recorded information that matches the feature;

8 code for determining information to insert based on the information in the
9 recorded information that matches the feature and the received electronic representation of a
10 document; and

11 code for creating a composite electronic representation comprising the
12 determined information.

1 35. The computer program product of claim 34, further comprising code
2 for determining association information for the recorded information that matches the feature.

1 36. The computer program product of claim 35, further comprising code
2 for associating the association information with the determined information in the composite
3 electronic representation.

1 37. The computer program product of claim 36, further comprising:
2 code for receiving a selection of the determined information in the composite
3 electronic representation; and
4 code for using the association information for the determined information to
5 access recorded information.

1 38. The computer program product of claim 34, further comprising code
2 for accessing recorded information using the determined information.

1 39. The computer program product of claim 34, further comprising:
2 code for performing at least one of emailing, printing, storing, displaying,
3 playing, and copying the created composite electronic document.

1 40. The computer program product of claim 34, further comprising:
2 code for determining metadata using the recorded information that matches the
3 one or more features, wherein the composite electronic representation includes the metadata.

1 41. The computer program product of claim 34, wherein the received
2 electronic representation of the paper document includes notes taken by a user, wherein the
3 created composite electronic representation includes the notes taken by the user.

1 42. The computer program product of claim 34, wherein the feature
2 comprises an identifier to a location in the recorded information, wherein the information in
3 the recorded information that matches the feature is determined using the identifier.

1 43. The computer program product of claim 34, wherein the document
2 comprises a paper document.

1 44. A computer program product stored on a computer-readable medium
2 for creating a composite electronic representation of a document using information recorded
3 during a presentation, the computer program product comprising:

4 code for receiving an electronic representation of a document for the
5 presentation, the electronic representation including a feature that was presented during the
6 presentation;

7 code for extracting the feature from the electronic representation;

8 code for comparing the feature to the information recorded during the
9 presentation to determine information in the recorded information that matches the one or
10 more features; and

11 code for determining information to insert based on the information in the
12 recorded information that matches the feature and the received electronic representation of a
13 document; and

14 code for creating a composite electronic representation comprising the
15 determined information.

1 45. The computer program product of claim 44, further comprising code
2 for determining association information for the recorded information that matches the one or
3 more features.

1 46. The computer program product of claim 45, wherein the association
2 information comprises time information for recorded information, the time information
3 indicating a time when information related to the one or more features was presented during
4 the presentation.

1 47. The computer program product of claim 46, further comprising:
2 code for receiving a selection of the inserted information; and

code for using the association information for the determined information in the composite electronic representation to access recorded information for the presentation at a time indicated by the time information.

48. The computer program product of claim 44, further comprising:
code for determining metadata using the recorded information that matches the feature, wherein the composite electronic representation includes the metadata.

49. The computer program product of claim 44, further comprising code for performing at least one of emailing, printing, storing, displaying, playing, and copying the created image.

50. The computer program product of claim 44, wherein the document comprises a paper document.

51. A data processing system for creating a composite electronic representation, the data processing system comprising:
a processor;
a memory coupled to the processor, the memory configured to store a plurality of modules for execution by the processor, the plurality of modules comprising:
logic to receive an electronic representation of a document;
logic to extract a feature from the electronic representation of the document;
logic to compare the feature to the recorded information to determine information in the recorded information that matches the feature;
logic to determine information to insert based on the information in the recorded information that matches the feature and the received electronic representation of a document; and
logic to create a composite electronic representation comprising the determined information.

52. The data processing system of claim 51, further comprising logic to determine association information for the recorded information that matches the feature.

1 53. The data processing system of claim 52, further comprising logic to
2 associate the association information with the determined information in the composite
3 electronic representation.

1 54. The data processing system of claim 53, further comprising:
2 logic to receive a selection of the determined information in the composite
3 electronic representation; and
4 logic to use the association information for the determined information to
5 access recorded information.

1 55. The data processing system of claim 51, further comprising logic to
2 access recorded information using the determined information.

1 56. The data processing system of claim 51, further comprising:
2 logic to perform at least one of emailing, printing, storing, displaying, playing,
3 and copying the created composite electronic document.

1 57. The data processing system of claim 51, further comprising:
2 logic to determine metadata using the recorded information that matches the
3 one or more features, wherein the composite electronic representation includes the metadata.

1 58. The data processing system of claim 51, wherein the received
2 electronic representation of the paper document includes notes taken by a user, wherein the
3 created composite electronic representation includes the notes taken by the user.

1 59. The data processing system of claim 51, wherein the feature comprises
2 an identifier to a location in the recorded information, wherein the information in the
3 recorded information that matches the feature is determined using the identifier.

1 60. The data processing system of claim 51, wherein the document
2 comprises a paper document.

1 61. A data processing system creating a composite electronic
2 representation of a document using information recorded during a presentation, the data
3 processing system comprising:
4 a processor;

5 a memory coupled to the processor, the memory configured to store a plurality
6 of modules for execution by the processor, the plurality of modules comprising:
7 logic to receive an electronic representation of a document for the
8 presentation, the electronic representation including a feature that was presented during the
9 presentation;
10 logic to extract the feature from the electronic representation;
11 logic to compare the feature to the information recorded during the
12 presentation to determine information in the recorded information that matches the one or
13 more features; and
14 logic to determine information to insert based on the information in the
15 recorded information that matches the feature and the received electronic representation of a
16 document; and
17 logic to create a composite electronic representation comprising the
18 determined information.

1 62. The data processing system of claim 61, further comprising logic to
2 determine association information for the recorded information that matches the one or more
3 features.

1 63. The data processing system of claim 62, wherein the association
2 information comprises time information for recorded information, the time information
3 indicating a time when information related to the one or more features was presented during
4 the presentation.

1 64. The data processing system of claim 63, further comprising:
2 logic to receive a selection of the inserted information; and
3 logic to use the association information for the determined information in the
4 composite electronic representation to access recorded information for the presentation at a
5 time indicated by the time information.

1 65. The data processing system of claim 61, further comprising:
2 logic to determine metadata using the recorded information that matches the
3 feature, wherein the composite electronic representation includes the metadata.

1 66. The data processing system of claim 61, further comprising logic to
2 perform at least one of emailing, printing, storing, displaying, playing, and copying the
3 created image.

1 67. The data processing system of claim 61, wherein the document
2 comprises a paper document.

1 68. A method for creating a composite electronic representation, the
2 method comprising:

3 means for receiving an electronic representation of a document;

4 means for extracting a feature from the electronic representation of the
5 document;

6 means for comparing the feature to the recorded information to determine
7 information in the recorded information that matches the feature;

8 means for determining information to insert based on the information in the
9 recorded information that matches the feature and the received electronic representation of a
10 document; and

11 means for creating a composite electronic representation comprising the
12 determined information.

1 69. A method for creating a composite electronic representation of a
2 document using information recorded during a presentation, the method comprising:

3 means for receiving an electronic representation of a document for the
4 presentation, the electronic representation including a feature that was presented during the
5 presentation;

6 means for extracting the feature from the electronic representation;

7 means for comparing the feature to the information recorded during the
8 presentation to determine information in the recorded information that matches the one or
9 more features; and

10 means for determining information to insert based on the information in the
11 recorded information that matches the feature and the received electronic representation of a
12 document; and

13 means for creating a composite electronic representation comprising the
14 determined information.